Original/Duplicate/Triplicate

P.W.G. 17 — 1st and Final bill

NO

Division — Dasarahalli

Bills received No — Date

Sheduled Docket No

Name of work(as per sanctioned estimate)

Work Code 014-18-000049

Name of contractor and full address :-

Reference to agreement No :- 79/2017-18

CONTRACT CERTIFICATE

Reference paras

Sub division — T.Dasarahalli — Date

Sub-divisional — Cash book vr No

Divisional — Date

Head of account

NAME OF WORK : Improvements to roads and drains atbetween 3rd main & 4th main cross roads manjunatha nagara in Ward No.14 (Bagalagunte)

Technical Manager, KRIDL

Estimated cost : 50 00 lakhs

Work order No EE/DD/WO/79/17-18 Date:20/11/2018

Certified that the measurments were taken by me on 16/3/2018 and recorded on pages 58541 to 58547/2 of measurment book No 586/2017-18 and the work is satisfactorily executed by the contractor.

Signature of contractor — Officer in Charge of Work

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Certified that the measurments were taken by me on 21/3/18 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional Officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within	1st and Final B'N →	4992965=00
2) Deduct amount to be held in reserve being-----percent Rs----------%--------	IT →	99939=00
3) Balance---		
4) Deduct payments	LWC →	49970=00
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of	LR →	
	FSD →	249848=00
b) Cost of payments/stores or other materials supplied now made recovery of	CSK →	4997=00
Amount paid on this bill by cheque/cash		
Total		
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs———(in words)———

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

For use in the Executive Engineer's office of payment as per memorandum (in final settlement of all demand)

Witness

1)

2)

Reciept Stamp

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Dated signature of contractor

paid by me cheque No dated

Cash Rs

Date — Initials of officer making payment — Date — Executive Engineer

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Sl. No	Items of Work (grouped under sub headsthe sub works of the estimate)	Unit	Previous Measurem		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum			734.40	86.92	63834.00	734.40	63834.00
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum			51.00	5159.02	263110.00	51.00	263110.00
3	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Sqm			1360.00	310.58	422389.00	1360.00	422389.00
5	Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008- i) Upto 5 m height complete as per the direction of Engineer-in-charge of the work.	Cum			127.50	6965.26	888071.00	127.50	888071.00

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c	Supplying, fitting and placing HM bar Fe 460 reinforcement in sub structure complete as per drawing and technical specifications complete as per specifications complete as per the direction of Engineer in charge of the work	tonne			8.430	66482.11	560444.00	8.430	560444.00
d	Supplying and fixing precast reinforced concrete slabs 80cm thick of min M30 using 20mm and graduise graded granite metal using reinforcement tarmam 8m steel at 150mm C/C both ways cost, transportation, hire charges of machinerym machine cutting the vertical face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materials	Sqm			255.00	1698.00	432990.00	255.00	432990.00
e	Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density Complete as per specifications complete as per the direction of Engineer in charge of the work	Cum			142.80	1768.08	252482.00	142.80	252482.00
f	Construction of dry lean cement Concrete mix CC 1:5:10 with OPC cement @160kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum sub base over a prepared sub grade with (Coarse and fine aggregate conforming to IS:383) aggregate cement ratio not to exceed 15:1 Aggregat gradiation after blending to be asper Table 600.1, cement content not to be less than 160kg/cum, optimum moisture content to be determined during trail length construction, concrete strength not to less than 10Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete s per specifications complete as per the direction of Engineer in charge of the work	Cum			142.80	3986.66	569295.00	142.80	569295.00

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9	1	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) complete as per	Cum			142.80	6217.96	887925.00	142.80	887925.00
10	2	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and liftcomplete as per the direction of Engineer-in-charge of the work	Sqm			952.00	95.40	90821.00	952.00	90821.00
11	3	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including cleaning of grove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all amterials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications complete as per the direction of Engineer-in-charge of the work	Rmts			61.60	121.90	7509.00	61.60	7509.00
12		Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4KM	Cum			734.40	85.65	62900.00	734.40	62900.00

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Sub Total						4501770.00		4501770.00
KRISL, GST & Labour Cess charges (7+3+1)=11%						495195.00		495195.00
Total						**4996965.00**		**4996965.00**

Certificate:

Certified that the contractor has work done satisfactorily
The contractor has removed the debries from work site
There is no dept materials issued to the contractor

Assistant Engineer
Ward 14

Assistant Executive Engineer
Dasarahalli Sub Division

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